

TABLE 2. Estimated number and percentage* of children enrolled in kindergarten by grace period/provisional enrollment† and reported type of exemption ‡ from vaccination, by immunization program ¶ — United States and territories, 2020-21 school year

Immunization Program	Grace Period/Provisional Enrollment, %	Medical Exemptions, %	Nonmedical Exemptions			Any Exemption			No Documentation**, %	Out-of-Compliance ††, %
			Religious, no.	Philosophic, no.	Total, %	2020-2021, %	2019-2020, %	Percentage point difference (2019-20 to 2020-21)		
National Estimate^{§§}	2.0	0.2	--	--	1.9	2.2	2.5	-0.3	1.0	3.4
Median^{§§}	2.1	0.2	--	--	2.4	2.5	2.7	-0.2	0.7	2.8
Alabama	NP	0.1	653	¶¶	1.1	1.3	1.2	0.1	NR	3.7
Alaska***	NR	0.2	354	¶¶	3.8	4.0	5.9	-1.9	NR	NR
Arizona	NR	0.1	†††	4,139	5.4	5.5	5.5	0.0	NR	0.6
Arkansas	10.0	<0.1	334	388	1.9	2.0	1.9	0.1	1.2	NR
California	0.7	0.5	†††	¶¶	†††,¶¶¶	0.5	0.8	-0.3	NR	NR
Colorado	0.5	0.2	238	2,307	4	≥4.2	≥4.9	-0.7	NR	NR
Connecticut	NP	0.2	803	¶¶	2.3	2.6	2.5	0.1	NR	NR
Delaware	NR	<0.1	253	¶¶	2.4	2.4	NR	NA	0.5	6.1
District of Columbia	NR	0.0	25	¶¶	0.3	0.3	NR	NA	4.8	NR
Florida	3.4	0.4	5,635	¶¶	2.7	3.1	3.4	-0.3	NR	0.2
Georgia	0.6	0.1	2,358	¶¶	2.8	2.9	3.0	-0.1	1.0	NR
Hawaii	0.1	0.2	457	¶¶	3.5	3.7	6.1	-2.4	0.9	NR
Idaho	1.5	0.3	§§§	§§§	7.9	8.2	7.6	0.6	1.2	7.2
Illinois¶¶¶¶	NR	NR	NR	¶¶	NR	NR	2.0	NA	NR	NR
Indiana	NR	0.2	1,333	¶¶	1.7	1.9	2.2	-0.3	0.7	16.6
Iowa	3.1	0.2	803	¶¶	2.1	2.2	2.5	-0.3	NR	1.3
Kansas¶¶¶¶	NR	0.2	613	¶¶	1.8	2.0	2.1	-0.1	1.3	NR
Kentucky¶¶¶¶	NR	0.2	478	¶¶	0.8	1.0	1.8	-0.8	5.9	NR
Louisiana	NP	0.1	23	593	1.0	1.1	1.5	-0.4	0.3	NR
Maine	NR	0.5	44	503	4.1	4.5	5.9	-1.4	2.6	NR
Maryland	NR	0.2	501	¶¶	0.8	0.9	1.4	-0.5	8.3	NR
Massachusetts	NP	0.2	566	¶¶	0.9	1.1	1.3	-0.2	0.7	5.1
Michigan	0.4	0.2	1,212	2,517	3.5	3.7	4.4	-0.7	0.2	2.8
Minnesota	NR	0.1	†††	1,797	2.7	≥2.8	≥3.8	-1.0	NR	NR
Mississippi	0.6	0.1	†††	¶¶	†††,¶¶¶	0.1	0.2	-0.1	0.3	NR
Missouri	NR	0.2	1,492	¶¶	2.4	≥2.5	≥2.7	-0.2	1.1	NR
Montana	2.0	0.2	376	¶¶	3.3	3.5	4.3	-0.8	1.1	NR
Nebraska	2.7	0.6	413	¶¶	1.6	2.2	2.2	0.0	NR	NR
Nevada	2.1	0.8	1,232	¶¶	3.6	4.4	4.0	0.4	NR	4.1
New Hampshire¶¶¶¶	4.7	0.2	263	¶¶	2.6	2.8	3.1	-0.3	NR	1.7
New Jersey	1.2	0.1	2,113	¶¶	2.1	2.2	2.6	-0.4	NR	2.2
New Mexico	6.3	0.1	166	¶¶	0.8	0.9	1.5	-0.6	0.5	NR
New York State	1.0	0.1	†††	¶¶	†††,¶¶¶	0.1	0.1	0.0	0.2	NR
New York City	0.9	0.1	†††	¶¶	†††,¶¶¶	<0.1	0.1	0.0	0.4	NR
North Carolina¶¶¶¶	1.7	0.1	1,700	¶¶	1.4	1.5	1.7	-0.2	NR	2.6
North Dakota	NR	0.2	108	293	4.0	4.2	3.9	0.3	0.9	NR
Ohio	7.1	0.2	§§§	§§§	2.4	2.5	2.8	-0.3	1.8	NR
Oklahoma	NR	0.2	387	801	2.3	2.4	2.7	-0.3	1.0	NR
Oregon	NR	0.1	§§§	§§§	5.3	5.4	7.1	-1.7	0.6	NR
Pennsylvania	3.8	0.3	1,620	1,554	2.5	2.7	3.0	-0.3	0.1	NR
Rhode Island¶¶¶¶	NR	0.1	99	¶¶	0.9	1.0	1.3	-0.3	0.5	NR
South Carolina	3.9	0.2	1,288	¶¶	2.3	2.4	2.6	-0.2	0.7	NR
South Dakota	NR	0.1	373	¶¶	3.2	3.4	2.7	0.7	NR	NR
Tennessee¶¶¶¶	1.0	0.1	1,332	¶¶	1.8	1.9	2.0	-0.1	0.5	NR
Texas¶¶¶¶	1.1	0.2	§§§	§§§	2.1	2.3	2.5	-0.2	0.3	NR
Houston¶¶¶¶	0.3	0.1	§§§	§§§	1.1	1.3	1.5	-0.2	0.7	NR
Utah	4.1	0.1	172	2,136	5.0	5.1	5.4	-0.3	0.5	1.7
Vermont	5.4	0.1	170	¶¶	3.1	3.2	3.7	-0.5	NR	NR
Virginia	NR	0.2	1,074	¶¶	1.2	1.5	1.7	-0.2	0.1	NR
Washington¶¶¶¶,****	0.6	0.5	1,563	1,172	≥2.1	3.3	4.6	-1.3	NR	5.0
West Virginia	NR	NA	†††	¶¶	†††,¶¶¶	NR	0.1	NA	NR	NR
Wisconsin¶¶¶¶	5.1	0.2	392	2,749	4.9	5.2	5.7	-0.5	0.6	3.1
Wyoming	2.4	NR	NR	¶¶	NR	3.0	3.5	-0.5	NR	2.1
American Samoa	NR	0.0	†††	¶¶	†††,¶¶¶	0.0	0.0	0.0	NR	NR
Federated States of Micronesia	NR	NR	NR	NR	NR	NR	0.0	NA	NR	NR
Guam	NR	NR	NR	¶¶	NR	NR	0.1	NA	NR	NR
Marshall Islands	NR	NR	†††	¶¶	†††,¶¶¶	NR	0.0	NA	NR	NR
N. Mariana Islands	NR	0.0	0	0	0.0	0.0	0.0	0.0	NR	NR
Palau	NR	NR	NR	NR	NR	NR	0.0	NA	NR	NR
Puerto Rico	NR	NR	NR	¶¶	NR	NR	0.6	NA	NR	NR
U.S. Virgin Islands	NR	NR	NR	¶¶	NR	NR	NR	NA	NR	NR

Abbreviations: NA = not available; NR = not reported to CDC; NP = State does not allow grace period or provisional enrollment

*Estimates are adjusted for nonresponse and weighted for sampling where appropriate.

[†] A grace period is a set number of days during which a student can be enrolled and attend school without proof of complete vaccination or exemption. Provisional enrollment allows a student without complete vaccination or exemption to attend school while completing a catch-up vaccination schedule. In states with one or both of these policies, the estimates represent the number of kindergartners within a grace period, provisionally enrolled, or some combination of these categories.

[§] Some programs did not report the number of children with exemptions, but instead reported the number of exemptions for each vaccine, which could count some children more than once. Lower bounds of the percentage of children with any exemptions were estimated using the individual vaccines with the highest number of exemptions. Washington was unable to deduplicate students with both religious and philosophical exemptions. The lower bound of the percentage of children with a nonmedical exemption was estimated using the individual exemption type with the higher number of exemptions. Estimates based on the lower bound of exemptions use the “≥” symbol.

[¶] Medical exemptions, nonmedical exemptions, and grace period/provisional enrollment status might not be mutually exclusive. Some children might have both medical and nonmedical exemptions, and some enrolled under a grace period/provisional enrollment might be exempt from one or more vaccinations.

** Estimates represent the number of kindergartners with no documentation of any vaccinations or any exemptions.

^{††} Students are considered out-of-compliance if they did not have complete documentation of having received all required vaccinations but were not eligible for provisional enrollment, and did not have documented exemptions for the missing vaccinations. This measure includes those with no documentation at all.

^{§§} National estimates and medians calculated from data from 48 states and District of Columbia; jurisdictions excluded were Illinois, West Virginia, Houston, New York City, American Samoa, Guam, Marshall Islands, Federated States of Micronesia, N. Mariana Islands, Palau, Puerto Rico, and U.S. Virgin Islands. Exemption data were reported for 3,337,916 kindergartners. Grace period/provisional enrollment national estimate and median were calculated using data from 28 states; data were reported for 2,467,326 kindergartners. National estimate and median for kindergartners with no documentation were calculated using data from 30 states and DC; data were reported for 1,799,190 kindergartners. National estimate and median for kindergartners who were out-of-compliance were calculated using data from 17 states; data were reported for 1,049,075 kindergartners.

^{¶¶} Philosophical exemptions were not allowed.

*** Reported public and homeschool school data only.

^{†††} Religious exemptions were not allowed.

^{§§§} Religious and philosophical exemptions were not reported separately.

^{¶¶¶} Did not include some types of schools, such as online schools or those located in military bases or correctional facilities.

**** Washington was unable to deduplicate students with both religious and philosophical exemptions, so the nonmedical exemption type with the highest number of kindergartners (the lower bound of the potential range of nonmedical exemptions) was included in the national and median exemption rates for nonmedical exemptions.